

Amendments to the Specification:

Please replace paragraph [0042] with the following amended paragraph:

The system operates in the following way. The belt 1 is fitted around the waist of the subject. The transmitting element is placed in the mouth of the subject and a reference phase-position is determined and recorded in the card 3 at this location for the transmission frequency of the transmitter. The transmitting element E then moves naturally in the digestive system, while the subject is free in his movements. At certain selected time intervals, corresponding to a change in the power supply of the transmitting means from the standby mode to the active mode, the receivers R1, R2 and R3, simultaneously pick up the frequency transmitted by the element E. Each signal picked up is collected and stored in the memory card 3. When the examination is considered to be complete, the belt is removed from the subject and the card 3 can be connected at the desired time via the cable 7 to the computer 8, where the digital data from the card 3 will be able to be analyzed by the data analysis and processing software. For each trio of values of signals picked up, the software will determine the phase shift relative to the reference position, then it will determine by triangulation the 3D position of the receiving element and, using programmed interpretation instructions, it will provide results regarding the transit time in an organ, a distance covered, a length of a segment of the digestive system and as a function of the weight of the transmitting element it will provide results on the activity of an organ, for example its propulsive force. The transmitting element E is for single-use, and is eliminated naturally.